**IT Applications Unit 3, AOS 1, Online Communities**

Complete the following, from Chapter 2, Problem-solving Methodology, pgs, 60-80

**Designing a website solution, p 66**

**Problem-solving Methodology: 4 Stages**

**Analyse**

**Design**

**Development**

**Evaluate**

**Case Study:**

**Indigenous Language Trust, (ILT)**

Using the case study, ILT complete the following:

**Designing a website solution, p 66**

1. List the techniques that web developers can use to ensure their website is efficient?
2. List the techniques that web developers can use to ensure their website is effective?

**Identifying how a solution will function**

1. Taking into account the technical constraints a range of design tools can be used to show the functionality of the website. Elaborate on each of the following functional design tools:
2. IPO Charts
3. Flowcharts
4. Layout diagrams
5. Website map
   1. What does information architecture refer to?

**Navigation Design**

1. What considerations need to be taken into planning the navigation design?
2. What’s meant by making your website accessible?
3. What is a style guide?
4. List the conventions of file naming.

**Identifying how a solution will appear using design tools, p 70**

**Elaborate on the following:**

1. Mock-up diagram
2. Layout diagrams
3. Storyboard designs

**Formats and conventions,** p 73

Elaborate on the following formats and conventions

* Screen size
* Index or home page
* Scrolling
* Text
* Navigation
* Font selection
* Images and file size
* Style guides

1. With the ILT case study what formats and conventions have been chosen?